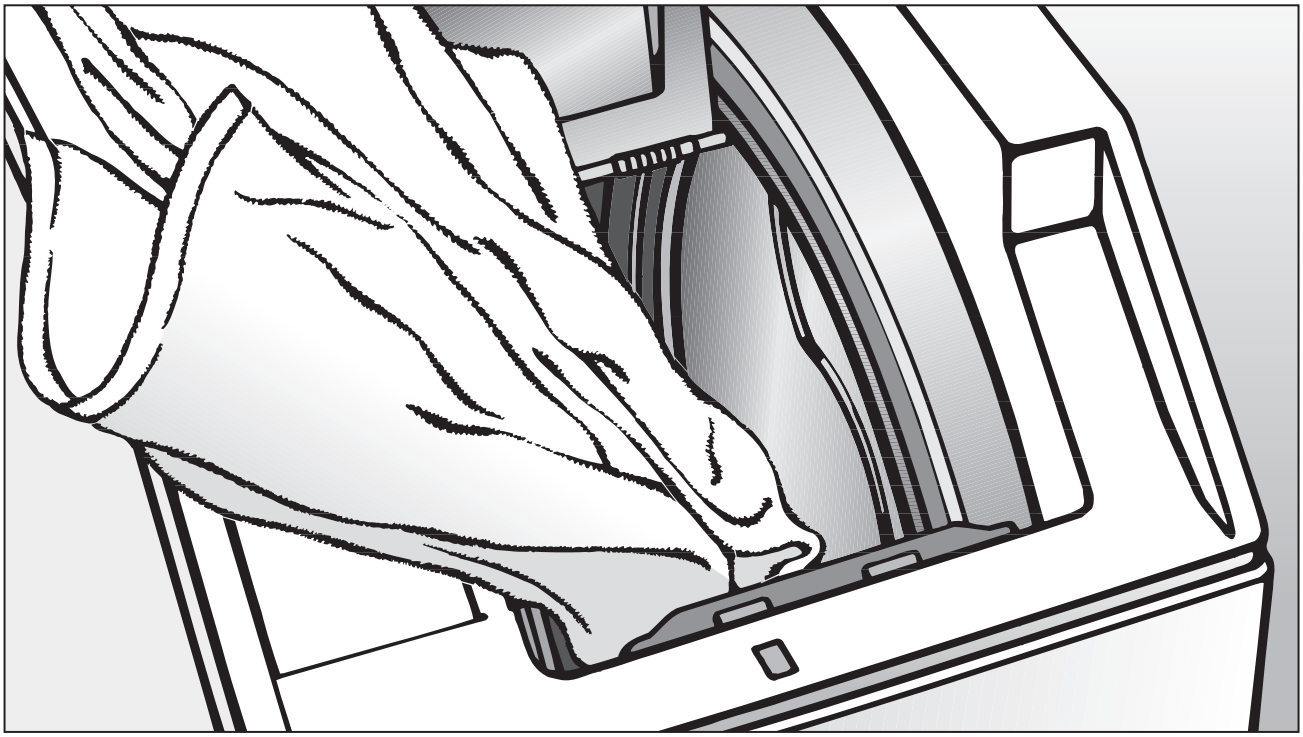
Miele

NOVOTRONIC



Operating instructions for Washing machine W 149

It is **essential** to read these operating instructions before installing or using the machine, to avoid the risk of accident, or damage to the machine.

GB

M.-Nr. 05 681 810

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Caring for our environment

Disposal of the packing material

The transport and protective packing has been selected from materials which are environmentally friendly for disposal and can normally be recycled.

Ensure that any plastic wrappings, bags etc. are disposed safely and kept out of the reach of babies and young children. Danger suffocation!

Rather than just throwing these materials away, please ensure they are offered for recycling.

Disposal of your old appliance

Old appliances contain materials which can be recycled. Please contact your dealer, your local waste collection centre or scrap merchant about potential recycling schemes.

Ensure that the appliance presents no danger to children while being stored for disposal. See the appropriate advice in the "Warning and safety instructions".

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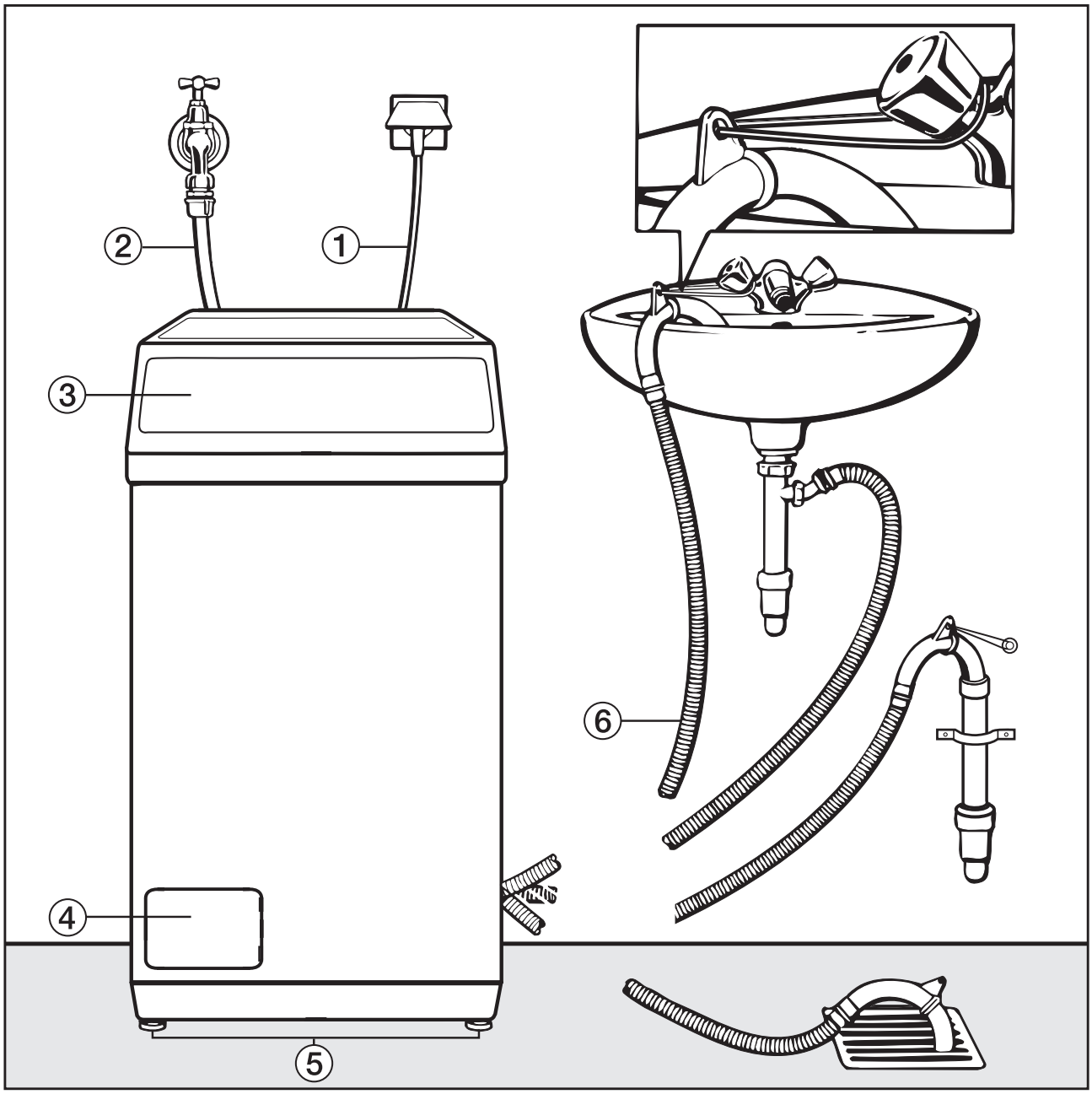
Guide to the machine

General view



① Mains connection cable

② Inlet hose

③ Lid with integrated control panel

④ Access panel for drain pump, drain (fluff) filter and emergency lid release

⑤ Machine feet

⑥ Flexible drain hose with detachable swivel elbow

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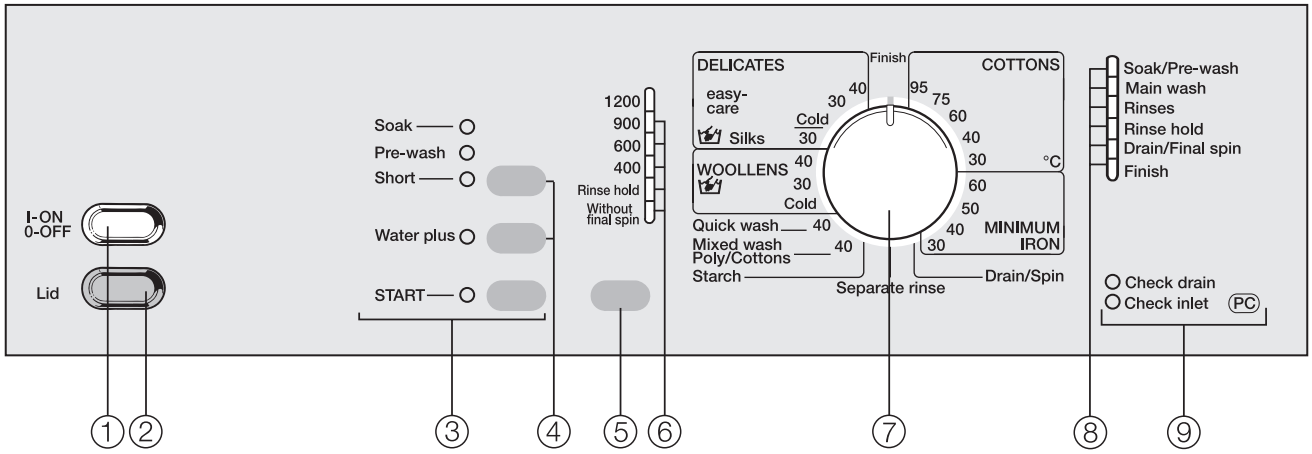
Control panel



① **"I-ON/0-OFF" button**
To switch the machine ON or OFF or to interrupt a programme

③ **"Lid" button**
opens the machine lid

④ **"START" button**
starts the wash programme

⑤ **Buttons for additional options**
Indicator light on = selected
Indicator light off = not selected

⑤ **"Spin" button**
for spin speed, Rinse hold and Without final spin

⑥ **Indicator lights**
showing the selected spin speed

⑦ **Programme selector**
can be turned clockwise and anti-clockwise

⑧ **Programme sequence indicator lights**

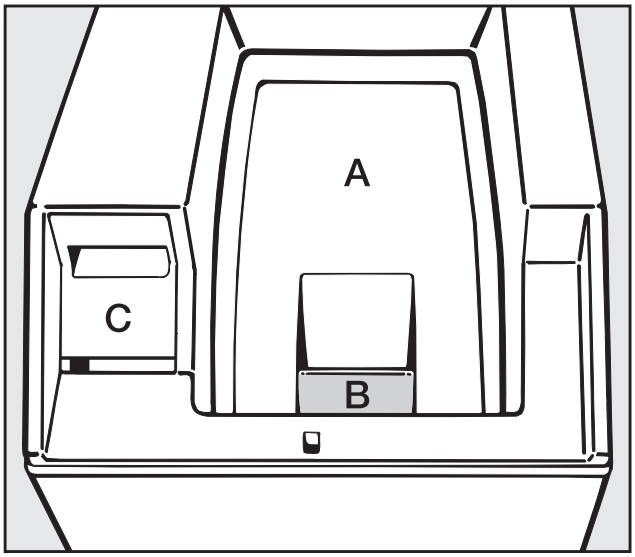
⑨ **Check lights**

Overview

A Inner lid

B Inner lid lock

C Detergent dispenser drawer



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Read the operating instructions before using this machine for the first time. They contain important information about the safety, use and maintenance of the machine. This way you will avoid the risk of accidents and damage to the machine. Keep these operating instructions in a safe place and ensure that new users are familiar with the content. Pass them on to any future owner of the machine.

Correct usage

Only use the washing machine to wash items which are specified by the manufacturer to be machine-washable on the wash-care label, and textiles composed of hand-washable wool or wool blend fabrics as well as satin, lace, silk and other hand-washable garments.
Any other applications may be dangerous. The manufacturer is not liable for damage resulting from improper use or operation.

This appliance should not be operated by children. Supervise its use by the elderly or infirm.

Technical safety

Before setting up the machine, check it for any externally visible damage. Do not install and use a damaged machine.

Before connecting the machine, ensure that the connection data on the data plate (fusing, voltage and frequency) match the mains electricity supply. If in any doubt, consult a qualified electrician.

The electrical safety of this appliance can only be guaranteed when continuity is complete between the machine and an effective earthing system which complies with local and national regulations. It is most important that this basic safety requirement is regularly tested by a qualified electrician.
The manufacturer cannot be held responsible for the consequences of an inadequate earthing system (e.g. electric shock).

Do not connect the appliance to the mains electricity supply by an extension lead. Extension leads do not guarantee the required safety of the appliance (e.g. danger of overheating).

The machine is built in accordance with current safety requirements. Unauthorised repairs could result in unforeseen dangers for the user, for which the manufacturer cannot accept responsibility. Repairs should only be undertaken by a Miele approved engineer.
Ensure current is not supplied to the appliance while maintenance or repair work is being carried out.

The machine is only completely isolated from the electricity supply when:

– it is switched off at the wall socket and the plug is withdrawn, or
– it is switched off at the mains, or
– the mains fuse is withdrawn.

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This machine must only be connected to the on-site water supply using a new hose kit. Old hoses must not be re-used. Check the hose regularly for signs of wear and tear. Change in good time to avoid the risk of leaks and subsequent damage.

Faulty components must only be replaced by genuine Miele original spare parts. Only when these parts are fitted can the safety standards of the machine be guaranteed.

In countries where there are areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the appliance guarantee.

Use

This equipment is not designed for maritime use or for use in mobile installations such as caravans, aircraft etc. However, it may be suitable for such usage subject to a risk assessment of the installation being carried out by a suitably qualified engineer.

Do not install your washing machine in rooms where temperatures below freezing may occur. Frozen hoses may burst under pressure.The reliability of the electronic control unit may be impaired at temperatures below freezing point.

Before using the machine for the first time, check that the transit fitting at the rear of the machine has been removed (see section on "Installation"). During spinning, a transit fitting which is still in place may result in damage to both the machine and adjacent furniture or appliances.

Turn off the stopcock if the machine is to be left for any length of time (e.g. holiday), especially if there is no floor drain (gully) in the immediate vicinity.

Flooding danger
If hooking the drain hose into a wash basin, check that the water can drain off quickly enough to prevent the sink from overflowing.
Make sure the drain hose is secure, so that the force of the water flowing out of the hose does not dislodge it. Otherwise this will result in flooding.

Take care to ensure that foreign objects (e.g. nails, pins, coins, paper clips) do not find their way into the machine with the washing. Foreign objects may damage components of the machine (e.g. suds container, drum), which in turn can result in damage to the washing.

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If the correct amount of detergent is dispensed, the machine should not need to be descaled. If, however, you do wish to descale the machine only use proprietary non-corrosive descaling agents and strictly observe the manufacturer's instructions given on the packaging. If in doubt, contact the Miele Customer Service Dept. or your Miele Dealer.

Textiles which have been pre-treated in solvent-based cleaning agents must be thoroughly rinsed in clean water before being washed in the machine.

Never use solvent-based cleaning agents in this machine, as this may result in damage to component parts and create toxic fumes. Such detergents also pose a fire and explosion hazard.

Only use dyes specified by the manufacturer as being suitable for use in a domestic washing machine. Always observe the manufacturer's instructions carefully.

Colour run and dye removers contain sulphur compounds which can cause damage such as corrosion. Do not use these products in this machine.

Always make sure the drum is stationary before reaching in to remove laundry. Reaching into a moving drum is extremely dangerous.

Accessories

Accessory parts may only be fitted when expressly approved by Miele. If other parts are used, guarantee, performance and product liability claims may be invalidated.

Disposal of your old machine

Before discarding an old machine unplug it. Render the plug useless. Cut off the cable directly behind the appliance to prevent misuse. This should be done by a competent person.

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– Water consumption and energy usage are determined by the size of the load. Load to the maximum recommended for the programme selected.
– Programme durations can vary considerably due to the automatic load adjustment feature. Depending on the amount of laundry, the main wash may be shortened and one rinse omitted.
– Use the *Mixed Wash* programme or the *Quick Wash* programme for smaller amounts of laundry.
– To save energy wash normally and lightly soiled laundry at lower temperatures. The 95°C Cottons programme is probably only needed in exceptional circumstances, e.g. for oil based stains or where a very hot wash is required.
– A main wash (programme without pre-wash) is sufficient to clean normally soiled laundry.
– By using the additional option *Soak* for heavily soiled laundry you can select a lower temperature in the main wash.
– Use the additional option *Soak* instead of *Pre-wash* with heavily soiled laundry.
If *Soak* is followed immediately by a main wash the same suds are used.
– Use the *Short* wash option for normally or very lightly soiled laundry.
– Do not exceed the amounts of detergent which may be recommended by the manufacturer on the packaging.
– Reduce the amounts of detergent with smaller loads, (e.g. with a half load, approx. one third less detergent).
– Select the highest suitable spin speed in the wash programme when tumble drying afterwards.

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Before using for the first time

Before using the machine for the first time ensure that it is correctly installed and connected. See the relevant section under "Installation".
Also check that the fluff filter is securely tightened. Otherwise there is a risk of water leakage during use.

For safety reasons spinning is not possible until the machine has been prepared for using for the first time. To activate the spinning function you must run a wash programme without any laundry and without detergent.
Using detergent could result in an excessive build-up of foam.

This also activates the ball valve. The ball valve prevents detergent escaping from the suds container into the sump during a wash programme, thus making maximum use of the detergent.

- Turn on the stopcock.
- Press the I-ON/0-OFF button in.
- Turn the programme selector to COTTONS 40°C.
- Press the START button.

When this programme has finished turn the programme selector to "Finish". Your washing machine is ready for using for the first time.

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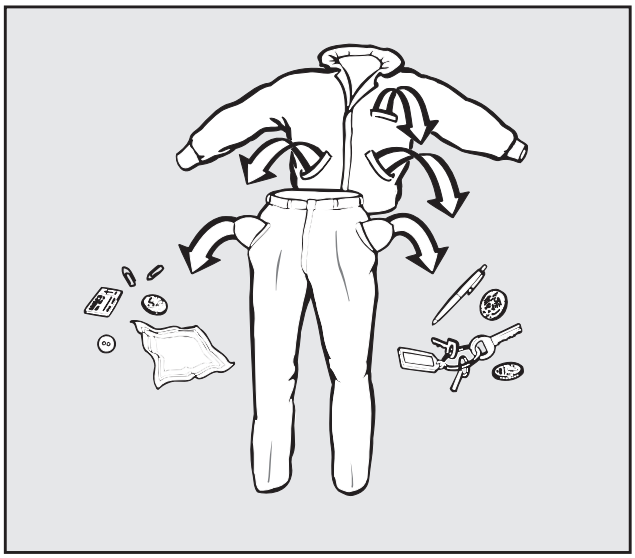
Brief guide

The headings numbered (❶,❷,❸,...) show the operating sequence and can be used as a brief guide.

Before washing

❶ Sort the laundry.



■ Empty all pockets.

Foreign objects (e.g. nails, coins, paper clips, etc.) can cause damage to textiles and components in the machine.

■ Badly soiled areas, e.g. collars and cuffs, and water soluble stains can be pre-treated with bar soap, liquid detergent or detergent mixed into a solution or paste.

With particularly stubborn stains ask your dry cleaner for advice.

Do not use solvent-based cleaning agents in this machine.

■ Sort the washing by colour and by care label symbols. Most garments have a textile care label in the collar or side seam.

Dark textiles often contain excess dye and should be washed separately several times before being included in a mixed load. Always wash whites and coloureds separately.

Delicate textiles should be washed separately in a delicates programme (use a washing bag where appropriate).

– Curtains:
Remove lead weights and strips or place in a laundry bag.

– Underwiring and collar stiffeners:
Any loose wiring in bras, shirt collar stiffeners, etc. should be removed or sewn in.

– Knitted garments, trousers and jeans, T-shirts and sweat shirts:
Turn inside out, if recommended by the manufacturer.

– Close any zips, fasten hooks and eyes etc. before washing.

– Fasten duvet covers to prevent smaller items rolling up inside them.

Do not wash any items in this machine which are specified by the manufacturer as **non-machine washable** on the care label. (⊠ symbol)

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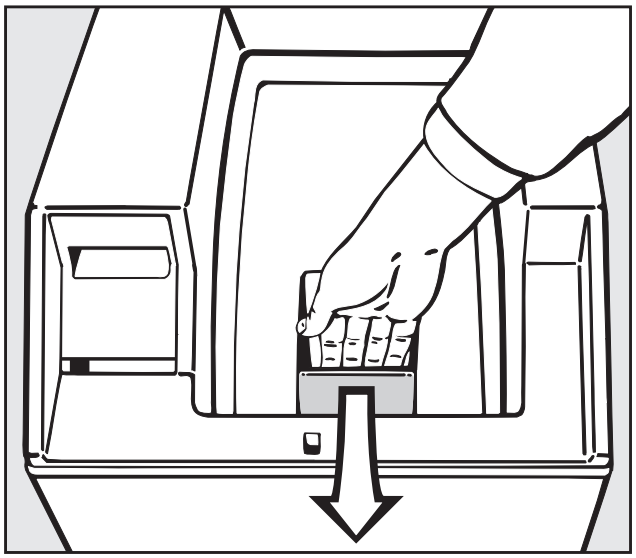
❷ To switch on the machine Press the "I-ON/0-OFF" button.

❸ Press the "Lid" button.

■ Open the machine outer lid.

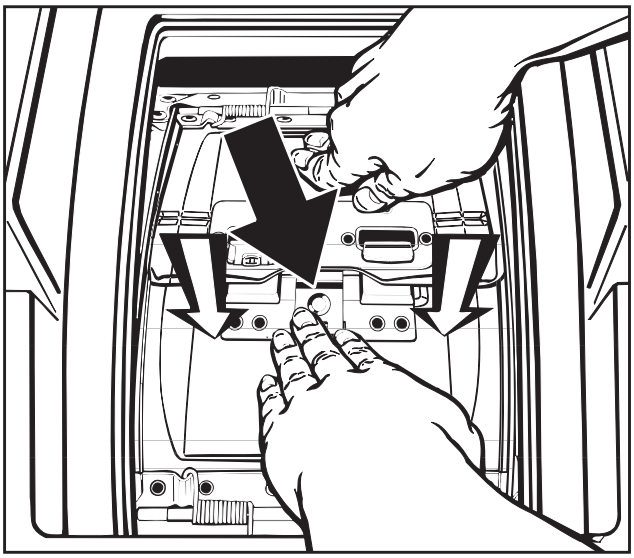


■ Open the inner lid.

❹ Open the drum:

Take care. The drum flaps are spring-loaded.

■ Gently press your hand against the rear drum flap.



■ Press the drum lock (**black arrow**) and at the same time push the front flap inwards (in the direction of the arrows) until the lock is released.

■ Support both flaps and let them swing up.

Load the drum:

■ Unfold laundry and load loosely in the drum. To achieve optimum results it is advisable to make up mixed loads consisting of both large and small items. This improves washing efficiency and helps distribute the load evenly to keep the machine stable and reduce noise during spinning. Overloading impairs wash performance and causes more creasing.

Maximum load weights:

COTTONS	5.0 kg
MINIMUM IRON	2.5 kg
DELICATES / SYNTHETICS	1.0 kg
SILK	1.0 kg
WOOLLENS	2.0 kg
QUICK WASH	2.5 kg
MIXED WASH (Poly/Cottons)	3.0 kg

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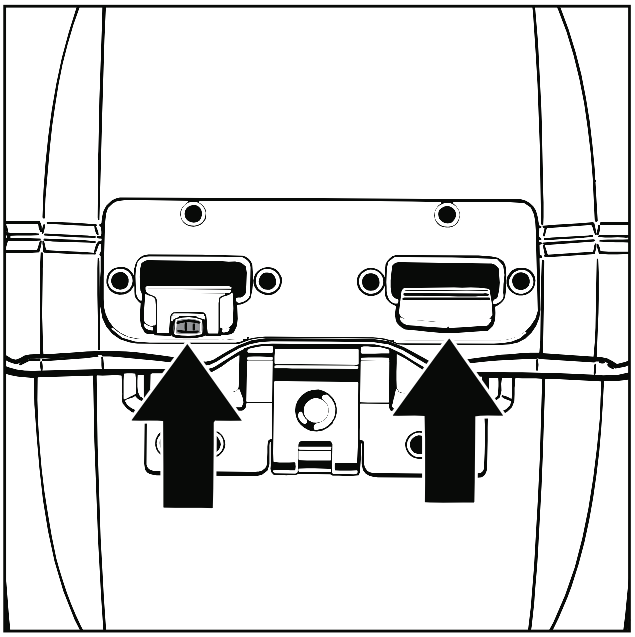
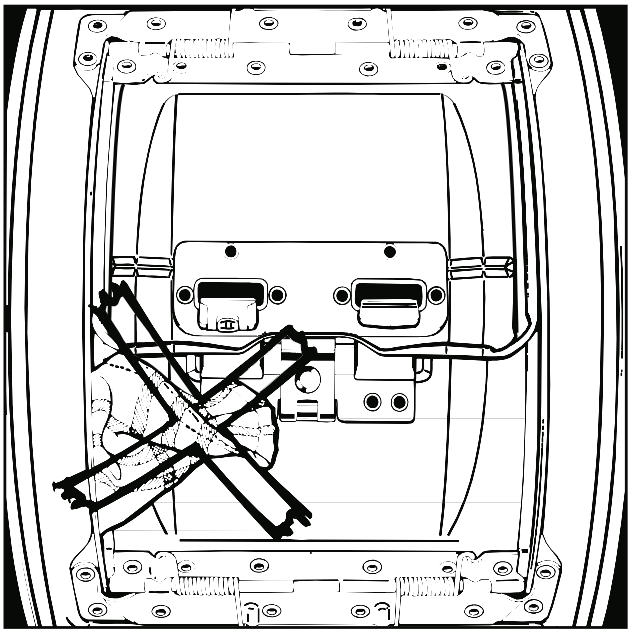
❺ Close the drum:



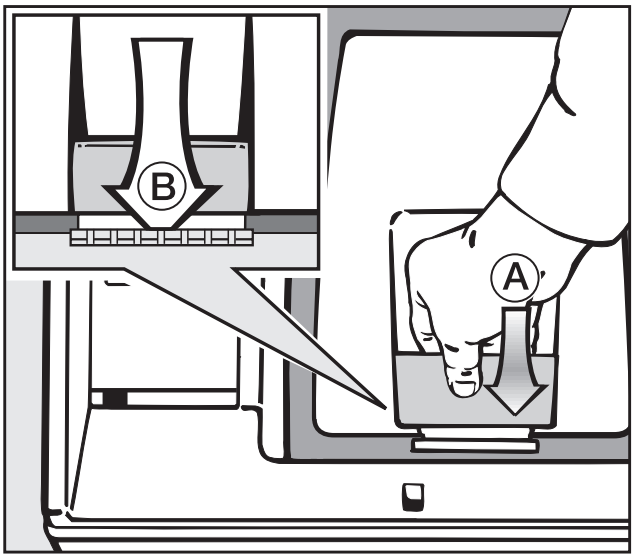
- First press the front, then the rear drum flap down until **both** hooks clearly engage.

Failure to observe these instructions may cause damage to the machine and to laundry.

- Clean the roller on the left-hand hook of the drum flap regularly to ensure smooth operation is maintained.



Take care not to trap items of laundry when closing the drum flaps.



❻ Before closing the inner lid, pull up the lock Ⓐ and engage properly Ⓑ.

If the inner lid is not closed properly, the wash programme cannot start and the "START" indicator light will flash rapidly.

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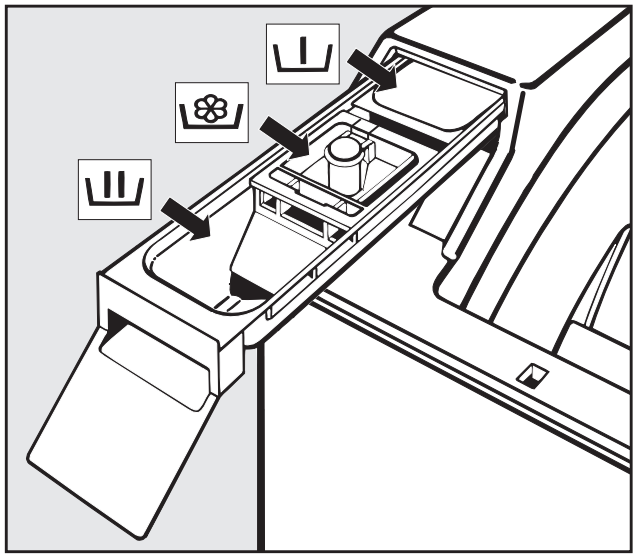


❼ Pull out the detergent dispenser drawer.

❽ Add detergent.

Dispense according to the amount specified on the packaging.

– See section on "Adding detergents" for details.

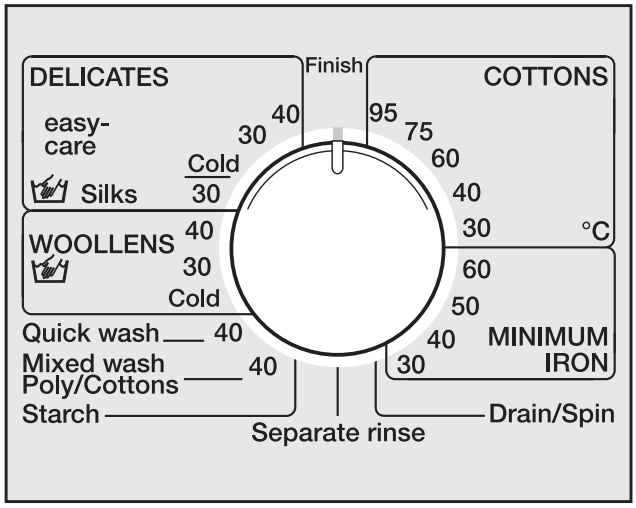
The detergent dispenser drawer must then be pushed back in, otherwise the machine outer lid cannot be closed.

❾ Close the machine outer lid.

❿ Open the stopcock.

To start a programme

– The programme selector should be pointing to "Finish", the indicator light "Finish" is lit up in the programme sequence display.



⓫ Turn the programme selector to the programme required.

See "Programme selection" chart.

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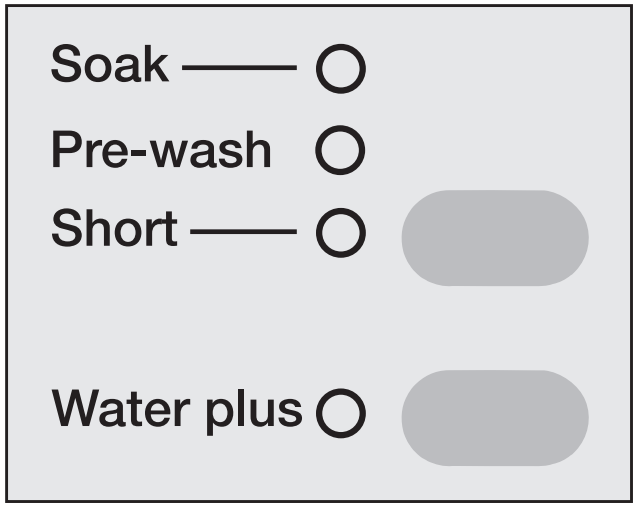
⓬ Select any additional option required.

A maximum of two additional options can be chosen per wash programme, provided they are compatible with the programme selected, (see "Programme selection" chart). Only one option can be selected out of "Soak", "Pre-wash" and "Short".

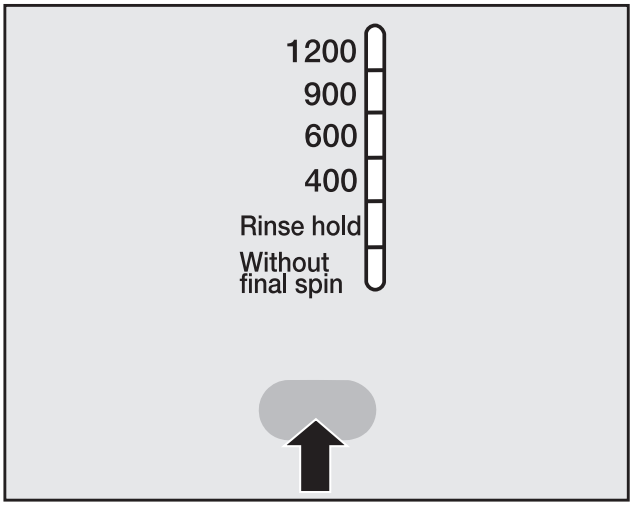


- Press the button next to "Soak", "Pre-wash" or "Short" repeatedly until the indicator for the chosen option lights up.
- Press the button for the "Water plus" option, if required.

An additional option that has been selected can be de-selected by pressing the button again.

⓭ Select a spin speed.

- Press the "Spin" button repeatedly until the indicator light next to the required final spin speed lights up.



In some programmes the maximum spin speed is limited. The machine will not allow a higher spin speed to be selected. (See "Programme selection" chart).

⓮ Press the "START" button.

The programme now starts.

At the beginning of the wash programme a brief noise indicates that the drum lock mechanism has been released.

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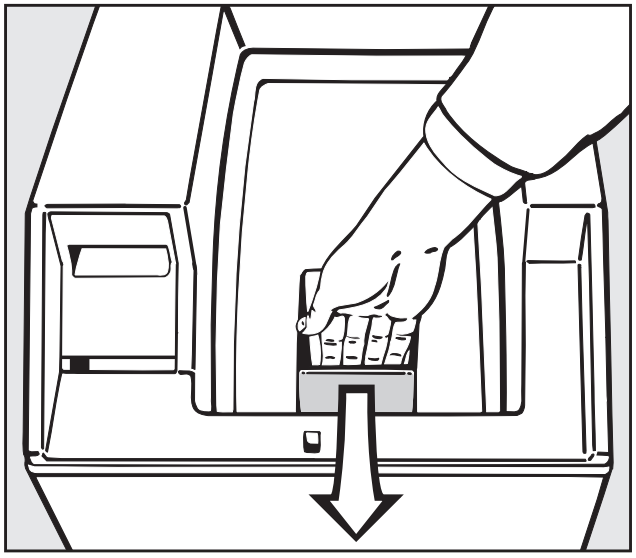
After washing

At the end of a programme

When the "Finish" indicator light comes on the laundry can be removed from the drum:

⓯ Press the "Lid" button.

- Open the machine outer lid.



⓰ Open the inner lid.

⓱ Open the drum and remove the laundry.

Do not forget to remove laundry from the drum. Items left in the drum may shrink. They could also discolour items in the next wash or become discoloured themselves.

⓲ Close the drum.

Otherwise there is a danger of objects being placed inadvertently in the drum. If these remained unnoticed and were washed in the next load, they could damage the laundry.

⓳ Close the inner lid and the machine outer lid.

⓴ Turn the programme selector to the "Finish" position. Press the "I-ON/0-OFF" button to switch off the machine and then close the stop-cock.

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Adding or removing laundry after programme start

Laundry can be added or removed after any programme has already started.

- Press the "Lid" button once.

The drum automatically rotates to the correct position for opening. The "Rinse hold" and "Without final spin" indicator lights flash alternately.

When the "Rinse hold/Without final spin" indicator lights stop flashing and the drum locking mechanism has been activated, the lid can be opened:

- Press the "Lid" button once again.
- Open the machine outer lid.
- Open the inner lid.
- Open the drum.
- Add or remove laundry.
- Close the drum.
- Close the inner lid properly.
- Close the machine outer lid.

The programme will continue automatically.

General exceptions:

The door cannot be opened when:

– the suds temperature is above 55°C.

– the programme lock is activated.

– the programme has reached the "Final spin" stage.

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Programme . . .

. . . interruption

- Press the "I-ON/0-OFF" button.
- To continue with the same programme press the "I-ON/0-OFF" button again.

. . . alteration

The machine will accept the following changes after the "START" button has been pressed:

– Selection of a different temperature, and/or selection or de-selection of the "Water plus" option can be carried out up to 6 minutes after programme start.

– The spin speed for final spin can be changed within the limits for the programme.

After start it is no longer possible to select a different programme.

If a different programme is selected or if another temperature is selected 6 minutes after start, the "Finish" indicator light flashes. This does not affect programme sequence. The indicator light goes out when the programme selector is set back to the programme or temperature previously chosen.

To select a different programme proceed as follows:

- Switch off the machine using the "I-ON/0-OFF" button.
- Turn the programme selector to "Finish".
- Switch on the machine using the "I-ON/0-OFF" button.
- Select a new programme.
- Press the "START" button.

. . . skipping a programme stage

- Turn the programme selector to "Finish".

As soon as the programme sequence light starts flashing for the stage at which the programme should continue:

- Turn the programme selector to the appropriate programme within 4 seconds.

Programmes cannot be interrupted or altered if the programme lock has been activated.

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All modern detergents produced for automatic washing machines are suitable, including liquid, compact (concentrated), tablets, liquid tablets and special application detergents. Use dispensing aids, e.g. balls, if these are supplied with the detergent. Tablets are suitable for full loads, but note that it may be impractical to reduce tablets by proportion to suit smaller loads.

Woollens and knitwear containing wool mixtures and hand-washable garments should be washed using a detergent specifically designed for washing woollens.

Silk should be washed using a liquid detergent specifically designed for washing woollens. Do not use biological detergents on silk as the enzymes may damage the silk!

Add detergent according to the amount recommended on the packaging. The right amount to dispense will depend on the following:

– The quantity of laundry.

– The soiling level of the laundry.

  Lightly soiled
  No visible dirt or stains. Possibly slight body odour.

  Normally soiled
  Visibly dirty and/or just a few slight stains.

  Heavily soiled
  Stains and soiling clearly visible.

– The water hardness level
  Check with your local water supplier if you do not know the water hardness level in your area.

Water Hardness

Hardness range	Type of water (hardness)	Hardness level in mmol / l	°dH German
I	soft	0 - 1.3	0 - 7
II	medium	1.3 - 2.5	7 - 14
III	hard	2.5 - 3.8	14 - 21
IV	very hard	over 3.8	over 21

It is important to dispense the correct amount, because . . .

. . . too little has the following results:

– Laundry will not be properly clean and will in time become grey and hard to the touch.

– Greasy particles cling to the laundry.

– Limescale deposits on the heater elements.

. . . too much results in the following:

– Excessive foam.

– Low level of agitation.

– Poor washing, rinsing and spinning results.

– High water consumption (an additional rinse cycle will automatically switch in).

– Burdening the environment.

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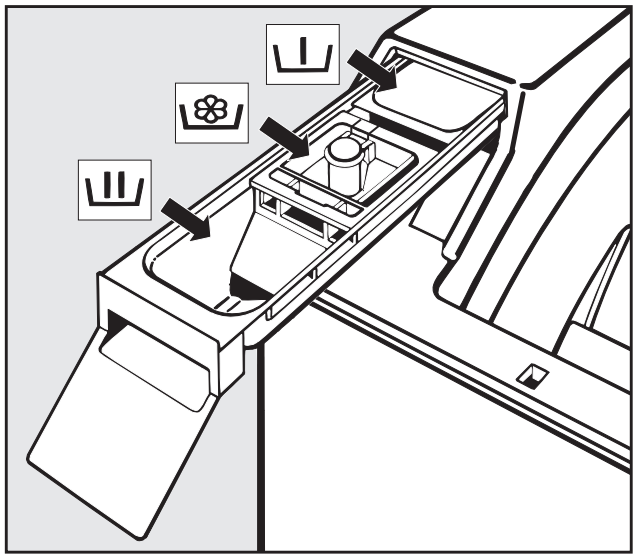
Adding detergent



= Compartment for pre-wash. This compartment is also used for starch formulations when starching separately.

= Compartment main wash

= Compartment fabric conditioner

Water is taken in through compartment in the pre-wash.

Water is taken in through compartment in the main wash. If the capacity of compartment is insufficient for the amount of detergent needed for a COTTONS programme (e.g. in very hard water areas), the machine can be programmed so that water and detergent can also be taken into the main wash through compartment , see "Programmable functions", "Activating compartment ".

Water softeners

A water softener can be used to cut down on the use of detergents in extremely hard water areas. Dispense according to the amount specified on the packaging. First add detergent and then the water softener.

Dispense detergent as specified for soft water areas.

Miele do not recommend connecting the machine to a household water softener.

If you wash using several components (e.g. special application detergents), we recommend always dispensing the agents into compartment in the following order:

1. Detergent
2. Water softener
3. Stain remover

This way the agents are distributed more efficiently.

Fabric conditioners, texturisers, liquid starch

Fabric conditioners make garments soft and fluffy to handle and help prevent static cling when tumble drying.

Texturisers are synthetic starch formulations and give body to items e.g. shirts, tablecloths and bed linen.

Starch gives body to items of washing.

- Dispense according to the amount specified on the packaging.

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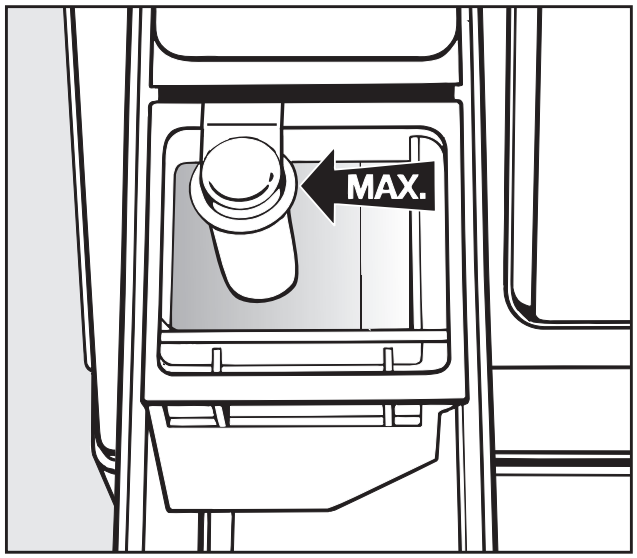
Automatic dispensing of fabric conditioners, texturisers or starch to laundry at the end of a programme



- Add the fabric conditioner, texturiser or liquid starch to compartment ❀. **Do not exceed the maximum level mark.**
- Push the dispenser drawer back in.

The conditioner, texturiser or starch is automatically dispensed in the final rinse. At the end of the programme a small amount of water remains in the fabric conditioner compartment ❀.

If starching frequently, clean the dispenser drawer and especially the siphon tube and fabric conditioner channel. (See section on the detergent dispenser drawer in "Cleaning and Care"). Do not add starch formulations or viscous liquid starch to the ❀ compartment as it will clog it up. See "Starching separately".

Adding fabric conditioner or texturiser separately

- Add fabric conditioner or texturiser to compartment ❀.
- Turn the programme selector to "Starch".
- Select a spin speed.
- Press the "START" button.

Starching separately

- Measure and prepare starch in accordance with the manufacturer's instructions.
- Add the starch to compartment I.
- Turn the programme selector to "Starch".
- Select a spin speed.
- Press the "START" button.

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Programmes

Programme selection

Programme	Fabric	Temperature	max. spin speed
COTTONS	Cottons and linen fabrics, e.g. bed linen, table linen, towelling, jeans, underwear, T-shirts, nappies.	95°C to 30°C	1200
COTTONS	Wash load as for standard tests.	60°C	1200
MINIMUM IRON	(60°C) white nylon, white polyester fabrics (50°C), coloured nylon, polyester, cotton and viscose fabrics with special finishes, acrylic, cotton fabrics, coloured polyester / cotton fabrics, (40°/30°C) minimum iron fabrics not washable at higher temperatures	60°C to 30°C	900
DELICATES	Acrylics, acetate and triacetate, socks and stockings in man-made fibres, (not wool or wool blends).	40°C to cold	600
	Curtains, specified machine-washable by the manufacturer (pre-wash probably advisable).	30°C to cold	600
Silk	Programme for hand-washable fabrics with no wool content, e.g. satin, lace and silk.	30°C	400
WOOLLENS	Programme for machine-washable or hand-washable wool or wool blend fabrics.	40°C to cold	1200
QUICK WASH	Very lightly soiled fabrics, which can be washed in the Cottons programme.	40°C	1200
Starch	Table cloths, napkins, overalls, uniforms.	cold	1200
Drain/Final spin	Articles which can be spun, e.g. handwashed items, max weight according to fabric		1200
Separate rinse	Articles which should be washed by hand and only rinsed and spun in the machine	cold	1200
MIXED WASH Poly/Cottons	Suitable for small loads of garments made from man-made fibres and cotton garments which can be washed together. Sort according to colour.	40°C	900

If "Cold" is selected for the temperature, the water is warmed to 24°C. This uniform temperature helps the effect of the detergent.

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max. load	Additional options*	Notes
5 kg	- Soak - Pre-wash - Short - Water plus (Option 1,2,3,4)	With heavily soiled items select "Soak" or "Pre-wash". Wash dark colours in liquid detergent. For normally soiled items select "Short".
5 kg		For test institutes: Programme setting for tests according to EN 60456 Standard Programme.
2.5 kg	- Soak - Pre-wash - Short - Water plus (Option 1,2,4)	With heavily soiled items select "Soak" or "Pre-wash". For normally soiled items select "Short". If fabrics have a high proportion of man-made fibres it is advisable to programme the machine for "Gentle Action". See "Programmable functions".
1 kg	- Soak - Pre-wash - Short	Laundry remains relatively crease-free for easier ironing. Use the Woollens programme for textiles with wool content.
Fill the drum loosely 1/2 to 3/4 full	- Soak - Pre-wash - Short	Dust in curtains usually makes pre-wash advisable.
1 kg	- Short - Water plus (Option 2,4)	Laundry remains relatively crease-free for easier ironing. Do not separately spin at high speeds. If wished select "Without final spin". Place socks, tights, bras etc., in a washing bag. Use liquid detergent for washing woollens. Do not use biological detergents on silk as the enzymes will damage the silk.
2 kg Do not overload		Use liquid detergent for washing woollens. Hand washable garments will not shrink, stretch, matt or felt beyond the accepted tolerance. If necessary, manually reduce the spin speed or select "Without final spin".
2.5 kg	- Water plus (Option 1,2,4)	Add less detergent (half load).
5 kg		The laundry should be washed, but not treated with fabric conditioner.
5 kg		For drain only, select "Without final spin". Do not use for woollens
5 kg		Do not use for woollens
3 kg	- Soak - Pre-wash - Short - Water plus (Option 1,2,4*)	The water level, number of rinses and programme time are set automatically in relation to composition of the laundry (see "Programmes - Sequence"). *Option is only carried out with a high proportion of cotton

* See Section on Additional options for more details.

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Programmes

Sequence

	COTTONS[1)]	MINIMUM IRON[1)]	DELICATES	Silk	WOOL-LENS
Soak	optional	optional	optional	-	-
Pre-wash	optional	optional	optional	-	-
Main wash	●	●	●	●	●
Top-up rinse from 75°C	pro-grammable	-	-	-	-
Graduated rinsing	-	from 40°C	-	-	-
No. of rinses					
- normal	3 or 4[2)]	3	3	2	2
- part load	2	2	-	2	-
- short	2	2	3	2	-
Rinse and interim spin (rpm)	max. 1000	max. 500	-	-	max. 600
Final spin (rpm)	max. 1200	max. 900	max. 600	max. 400	max. 1200
Rinse hold	optional	optional	optional	optional	optional
Without final spin	optional	optional	optional	optional	optional
Wash rhythm	normal	normal	gentle action	Silk	Wool
Water level - Wash	low	low	high	medium	medium
- Rinse	low	medium	high	medium	medium

Explanations:

- ● Programme section included
- \- Programme section not included

[1)] Load recognition:

The programme sequence is modified in these programmes according to the absorbency of the load.

[2)] A 4th rinse automatically switches in if there is too much foam in the drum, or if a spin speed lower than 700 rpm has been selected.

Silk:

In this programme to achieve the best washing results, the washing action is lower than in the DELICATES programme but higher than in the WOOLLENS programme.

Wool:

Wool is susceptible to damage from movement when it is wet. The wash action during the course of the programme is low.

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QUICK WASH 40°C	Starch	Drain/ Final spin	Separate rinse	MIXED WASH[1)]	
				high cotton content	high polyester content
-	-	-	-	optional	optional
-	●	-	-	optional	optional
●	-	-	-	●	●
-	-	-	-	-	-
-	-	-	-	-	●
2	-	-	2	3 or 4[2)]	3
2	-	-	-	2	2
-	-	-	-	2	2
max. 500	-	-	-	max. 900	max. 500
max. 1200	max. 1200	max. 1200	max. 1200	max. 900	max. 900
optional	optional	-	optional	optional	optional
optional	optional	-	optional	optional	optional
normal	normal	-	gentle action	normal	normal
low medium	low -	- -	high	low low	low medium

Top-up rinse (programmable):

At the end of the main wash additional water flows into the drum, and the suds are cooled slightly. Hot water might damage plastic drain pipes.

Graduated rinsing:

The suds are cooled at the end of the wash cycle by water flowing in and being pumped away at intervals thereby minimising crease formation.

Rinse and interim spin:

There is a spin between the rinses.

Final spin:

The maximum spin speed according to the programme can be selected with the Spin button. In the programmes MINIMUM IRON, DELICATES, WOOLLENS, Separate rinse and MIXED WASH, the spin speed is automatically limited to the maximum spin speed given above.

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Programmes

Care symbols - washing

Care symbols	Fabric types	Description of process	Programme: (select the appropriate temperature according to the temperature on the care label symbol)
no bar	Cottons	Normal (maximum) machine action and normal spinning	Cottons, Minimum iron, Quick wash
* single bar	Synthetics	Reduced (medium) machine action and reduced spinning	Delicates *If the gentle action option has been programmed into your machine via the programmable functions, garments with a single bar under the care label can also be processed using a Cottons, Minimum Iron, Quick wash, Mixed Wash or Starch programme.
broken bar	Woollens	Much reduced (minimum) machine action but with normal spinning	Hand Wash Woollens programmes.

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Important - other care symbols

	Hand wash (if a temperature is not specified, use the lowest temperature or cold)
	Do not wash
	Dry clean
	Do not dry clean
	Suitable for chlorine bleaching
	Do not use chlorine bleach

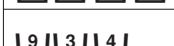
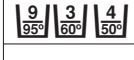
Tumble dry

	At normal temperature
	At low temperature
	Do not tumble dry

Ironing

	Hot iron
	Medium hot iron
	Cool iron
	Do not iron

N.B. If you have any textiles with the older wash care labels, select a programme according to the label below:

	Cottons
	Minimum iron
	Delicates
	Woollens

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Additional options

To select an additional option to the basic programme press the button for that option. The indicator light for the option comes on.

If an additional option is chosen which is incompatible with the basic programme, (see Programme selection chart), the indicator light goes out when the button is released.

If a spin speed is chosen which is unsuitable for the programme (see Programme selection chart), pressing the button has no effect.

Soak

For heavily soiled and stained items with protein stains (e.g. blood, fats and oils, cocoa).

– A length of time of between 30 minutes and 2 hours can be chosen, in 30 minute periods, for the *Soak* process.

– The machine is set as standard to two hours soak time.
See the section "Programmable functions" for reprogramming to a different time.

Adding detergent for the Soak option:

Add the total amount into compartment II or directly on to the laundry in the drum.

Pre-wash

For heavily soiled and stained items

Short

This shortens the programme running time. For normally soiled items.

In the COTTONS, MINIMUM IRON and MIXED WASH *Poly/Cottons* programmes only two rinse cycles are carried out with a higher water level.

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Water plus

The water level increases in the "COTTONS", "MINIMUM IRON", " QUICK WASH" and "MIXED WASH" programmes.

You can choose between four options for the "Water plus" button.

The options are explained in "Water plus system" in the "Programmable functions" section.

Switching off the additional options

If an additional option is switched on, the indicator light next to the corresponding button is lit up. The option can be switched off by pressing the button again. The indicator light goes out.

Spin

A final spin is carried out at the end of each of the basic programmes, if a spin speed has been selected.

"Without final spin"

Interim rinse and spin is carried out during the programme cycle.

Laundry is not spun after the final rinse. After water has been drained the machine switches automatically to "Finish".

"Rinse hold"

Interim rinse and spin is carried out during the programme cycle.

The laundry remains suspended in water after the final rinse.

This helps to reduce the possibility of creasing if the washing is left for some time before being taken out of the machine.

To continue the programme with a spin:

Use the "Spin" button to select the required spin speed.

The maximum spin speed is automatically limited according to the basic wash programme chosen. (See "Programme selection" chart).

To continue the programme without spinning:

Press the "Lid" button. The water will then drain out of the machine. Once it has drained out press the "Lid" button again and open the drum.

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Electronic programme locking

Programme locking prevents the machine from being opened or the programme being changed during a wash programme.

Switching on programme locking

❶ Select a programme, (see "How to wash correctly").

❷ Press the "START" button for at least 5 seconds.

Programme locking is now activated.

The machine will now not accept any changes, and the wash programme proceeds through to the end.

At the end of the wash programme, the programme lock deactivates, so that a new wash programme can be chosen.

Switching off programme locking early

❶ Press the "START" button for at least 5 seconds.

Exception:

If the "Finish" indicator light in the Sequence display is flashing:

❶ Turn the programme selector to the programme previously chosen. The "Finish" light goes out.

❷ Then press the "START" button for at least 5 seconds.

To check if programme locking is switched on

■ Press the ‘Spin’ button.

– If the selected spin speed does not change:

Programme locking is activated.

– If the spin speed changes:

Programme locking is not activated.

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Maximum water level

The water level for rinsing is automatically raised to the maximum level where rinse results are particularly important.

It is effective for the rinses in the following programmes:

- COTTONS
- MINIMUM IRON
- QUICK WASH
- MIXED WASH - Poly/Cottons

Before the "Maximum water level" programmable function can be selected you must first select programming mode.

Selecting programming mode

❶ The machine must be switched off and the drum door closed. The programme selector must point to "Finish".

❷ Press the additional option buttons "Short" and "Water plus" at the same time and hold pressed in and:

❸ . . . switch the machine on with the "I-ON/0-OFF" button.

❹ Let go of all these buttons.

The indicator light "Main wash" flashes in the sequence display.

Selecting the programmable function

To select the "Maximum water level" programmable function: turn the programme selector to - **DELICATES 40 °C *****.

Activating

To activate "Maximum water level" press the "START" button once.
The "Rinses" light comes on in the sequence display.

Storing in memory

To store the "Maximum water level" programmable function in the memory SWITCH the machine OFF with the "I-ON/0-OFF" button.

The "Maximum water level" programmable function is now stored in the machine's memory and is effective in the programmes described above until such time as you may wish to deactivate it.

Deactivating

To deactivate the use of a maximum water level in the rinses repeat the procedure given above from point ❶ as far as the *** shown above. Press the START button and the "Rinses" indicator light will go out. The function is now deactivated. Store in memory by pressing the "I-ON/0-OFF" button.

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Water plus system

The "Water plus" button offers four options, increasing water level and / or bringing in an extra rinse cycle. To activate the option press the "Water plus" button when selecting your wash programme before pressing the START button.

Option 1

Increase in the rinse water level in the COTTONS, MINIMUM IRON, QUICK WASH and MIXED WASH - Poly/Cottons programmes, where for example rinse results are particularly important.

Option 2

Increase in the water level in main wash and rinses for COTTONS, MINIMUM IRON, QUICK WASH, Silk and MIXED WASH particularly for fabrics that need special care, or where extra attention must be given to dissolving detergent. This option is already set when the machine is delivered from the factory.

Option 3

An extra rinse cycle is introduced to the COTTONS programme, e.g. when rinse results are particularly important.

Option 4

Increase in the water level in the main wash and rinses for the COTTONS, MINIMUM IRON, QUICK WASH, Silk and MIXED WASH - Poly/Cottons programmes. An extra rinse cycle is introduced in the COTTONS programme - useful for those whose skin is sensitive to detergent.

Before the "Water plus system" programmable function can be selected you must first select programming mode.

Selecting programming mode

❶ The machine must be switched off and the drum door closed. The programme selector must point to "Finish".

❷ Press the additional option buttons "Short" and "Water plus" at the same time and hold pressed in and:

❸ . . . switch the machine on with the "I-ON/0-OFF" button.

❹ Let go of all these buttons.

The indicator light "Main wash" flashes in the sequence display.

Selecting the programmable function

To select the "Water plus system" programmable function turn the programme selector to
- **DELICATES 30 °C** .
The indicator lights in the sequence display correspond to the four options available. As Option 2 has been set at the factory, when the programme selector is turned "DELICATES 30 °C ", the indicator light for Option 2 "Rinse hold" will come on.

. . . Turn to next page . . .

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Selecting the Options

By pressing the "START" button a various number of times you can select the other options. To confirm that a new selection has been selected the previous indicator light goes out and a new indicator light comes on.

Each time "START" is pressed a different indicator light will come on. The indicator lights correspond the the four options available as follows:

Option 1 = "Rinse"

Option 2 = "Rinse hold"

Option 3 = "Drain / Final spin"

Option 4 = "Finish"

Storing in memory

When you have selected the Option you require, SWITCH the machine OFF with the "I-ON/0-OFF" button. The Option is now stored in the machine's memory.

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Activating the compartment

This function should be activated if traditional "big box" detergents are used. For the first 10 seconds of the main wash cycle water flows in through compartment .

Compartment may sometimes not be able to hold the total amount of detergent required when:

- the water is very hard (over 3.8 mmol/l, water hardness level IV) and

- the washing is heavily soiled.

In this case compartment can be used to flush in the extra detergent for the main wash.

Before the "Activating the compartment" programmable function can be selected you must first select programming mode.

Selecting programming mode

❶ The machine must be switched off and the drum door closed. The programme selector must point to "Finish".

❷ Press the additional option buttons "Short" and "Water plus" at the same time and hold pressed in and:

❸ . . . switch the machine on with the "I-ON/0-OFF" button.

❹ Let go of all these buttons.

The indicator light "Main wash" flashes in the sequence display.

Selecting the programmable function

To select the "Activating the compartment" programmable function turn the programme selector to
- **Silk 30 °C** ***.

Activating

To activate "Activating the compartment" press the "START" button once. The "Rinses" light comes on in the sequence display.

Storing in memory

To store the "Activating the compartment" programmable function in the memory SWITCH the machine OFF with the "I-ON/0-OFF" button.

The "Activating the compartment" programmable function is now stored in the machine's memory.

Deactivating

To deactivate the use of Compartment repeat the procedure given above from point ❶ as far as the *** shown above. Press the START button and the "Rinses" indicator light will go out. The function is deactivated. Store in memory by pressing the "I-ON/0-OFF" button.

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Soak time

This is accessed for a programme by pressing the SOAK button on the facia.

You can programme a soak time of:

- 2 hours (factory setting) or
- 1 hour 30 mins or
- 1 hour or
- 30 mins.

A "Soak time" of 2 hours is set at the factory. If you wish to change this standard setting to one of the times listed above, you must first select programming mode.

Selecting programming mode

❶ The machine must be switched off and the drum door closed. The programme selector must point to "Finish".

❷ Press the additional option buttons "Short" and "Water plus" at the same time and hold pressed in and:

❸ . . . switch the machine on with the "I-ON/0-OFF" button.

❹ Let go of all these buttons.

The indicator light "Main wash" flashes in the sequence display.

Selecting the programmable function

To select the "Soak time" programmable function turn the programme selector to - **WOOLLENS Cold**.
The "Rinse" indicator light comes on in the sequence display. This shows that a "Soak time" of 2 hours is currently selected (factory setting).

Selecting a different "Soak time"

By pressing the "START" button a various number of times you can select different soak times. To confirm that a different soak time has been selected, the previous indicator light goes out and a new indicator light comes on.

Each time "START" is pressed a different indicator light will come on. The indicator lights correspond to the 4 soak times available as follows:

2 hours =	"Rinse"
1 hour 30 mins =	"Rinse hold"
1 hour =	"Drain / Final spin"
30 mins =	"Finish"

Storing in memory

When you have selected the soak time you require, SWITCH the machine OFF with the "I-ON/0-OFF" button.

The "Soak time" you have selected is now stored in the machine's memory.

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Gentle action

For gentle washing of slightly soiled items. Drum action is reduced.

Gentle action can be used with the COTTONS, MINIMUM IRON, QUICK WASH, Starch and MIXED WASH programmes.

If "Gentle action" has been programmed, every wash cycle in these programmes is carried out with gentle action rhythm.

Before the "Gentle action" programmable function can be selected you must first select programming mode.

Selecting programming mode

❶ The machine must be switched off and the drum door closed. The programme selector must point to "Finish".

❷ Press the additional option buttons "Short" and "Water plus" at the same time and hold pressed in and:

❸ . . . switch the machine on with the "I-ON/0-OFF" button.

❹ Let go of all these buttons.

The indicator light "Main wash" flashes in the sequence display.

Selecting the programmable function

To select the "Gentle action" programmable function turn the programme selector to -
MIXED WASH 40 °C ***.

Activating

To activate "Gentle action" press the "START" button once.
The "Rinses" light comes on in the sequence display.

Storing the programmable function in memory

To store the "Gentle action" programmable function in the memory SWITCH the machine OFF with the "I-ON/0-OFF" button.

The "Gentle action" programmable function is now stored in the machine's memory.

Deactivating

If the "Gentle action" programmable function is no longer required it can be deactivated. To do so repeat the procedure given above from point ❶ as far as the *** shown above. Press the START button and the "Rinses" indicator light will go out. The function is now deactivated. Store in memory by pressing the "I-ON/0-OFF" button.

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Top-up rinse for Cottons

At the end of the main wash additional water flows into the drum and the suds are cooled down.

Hot suds can damage plastic drainage pipes.

Top-up rinse takes place when temperatures of 95°C and 75°C are selected.

Top-up rinse should be activated:

– to prevent the danger of scalding if the drain hose is hooked over the edge of a sink or basin.

– where the drainage pipes do not comply with DIN 1986.

The washing machine is delivered with the Top-up rinse for Cottons deactivated.

Before the "Top-up rinse for Cottons" programmable function can be selected you must first select programming mode.

Selecting programming mode

❶ The machine must be switched off and the drum door closed. The programme selector must point to "Finish".

❷ Press the additional option buttons "Short" and "Water plus" at the same time and hold pressed in and:

❸ . . . switch the machine on with the "I-ON/0-OFF" button.

❹ Let go of all these buttons.

The indicator light "Main wash" flashes in the sequence display.

Selecting the programmable function

To select the "Top-up rinse for Cottons" programmable function turn the programme selector to -
Starch ***.

Activating

To activate "Top-up rinse for Cottons" press the "START" button once.
The "Rinses" light comes on in the sequence display.

Storing in memory

To store the "Top-up rinse for Cottons" programmable function in the memory SWITCH the machine OFF with the "I-ON/0-OFF" button.

The "Top-up rinse for Cottons" programmable function is now stored in the machine's memory.

Deactivating

If the "Top-up rinse for Cottons" programmable function is no longer required it can be deactivated. To do so repeat the procedure given above from point ❶ as far as the *** shown above. Press the START button and the "Rinses" indicator light will go out. The function is now deactivated. Store in memory by pressing the "I-ON/0-OFF" button.

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Memory function

If an additional option is selected for a programme, and / or the spin speed is altered, the machine stores these changes in memory at the start of a programme.

The memory function is not active when the machine is first delivered but can be programmed to active.

Activating

First select programming mode.

Selecting programming mode

❶ The machine must be switched off and the drum door closed. The programme selector must point to "Finish".

❷ Press the additional option buttons "Short" and "Water plus" at the same time and hold pressed in and:

❸ . . . switch the machine on with the "I-ON/0-OFF" button.

❹ Let go of all these buttons.

The indicator light "Main wash" flashes in the sequence display.

Activating the programmable function

To activate the "Memory" programmable function turn the programme selector to **Separate rinse** ***.

To activate the "Memory" function press the START button once. The rinses light comes on in the Sequence display.

Storing in memory

To store this setting in memory SWITCH the machine OFF with the "I-ON/0-OFF" button.

Deactivating

To deactivate the memory function repeat the procedure given above from point ❶ as far as the *** shown above. Press the "START" button and the "Rinses" indicator light will go out. The function is now deactivated. Store in memory by pressing the "I-ON/0-OFF" button.

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Disconnect the appliance from the mains electricity supply and withdraw the plug from the socket prior to cleaning the machine.

Do not use solvents, abrasive cleaners, glass cleaners or all-purpose cleaning agents.
These might damage plastic surfaces and other components because of the chemicals they contain.

The washing machine must not be hosed down.

Cleaning the washing machine

- Clean the casing, machine lid and inner lid with a mild non-abrasive detergent or soap and water. Wipe dry with a soft cloth.
- Clean the fascia panel with a damp cloth and wipe dry with a soft cloth.
- The drum can be cleaned using a suitable proprietary stainless-steel cleaning agent.

E-Cloth

A microfibre "E-Cloth" is available from the Miele UK Spare Parts Department, Part number 98013530, which is suitable for cleaning surfaces such as stainless steel, glass, plastic and chrome without the use of chemicals. It can be washed 300 times.

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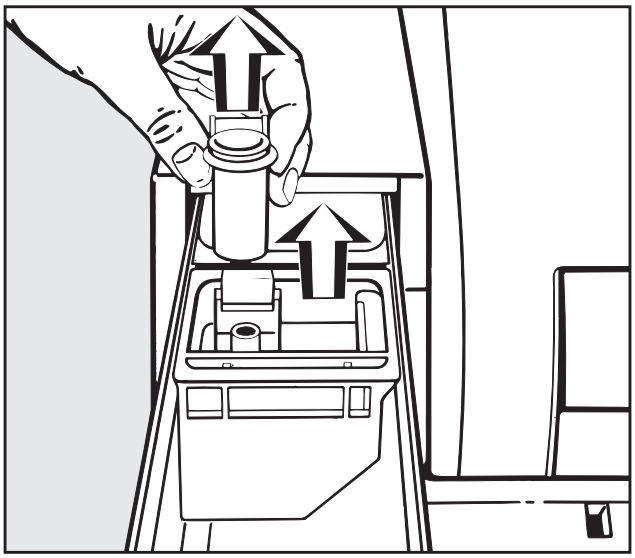
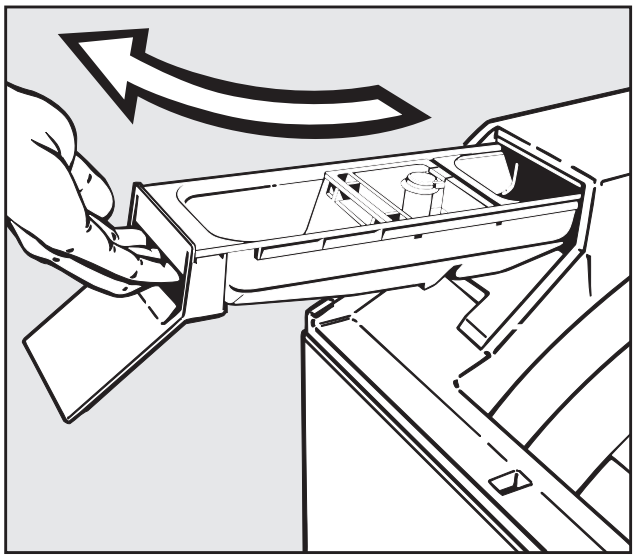
Cleaning the detergent dispenser drawer



- Pull out the conditioner insert and the siphon tube and wash under running warm water.
- Also clean the channel over which the siphon tube is inserted.



- Remove the detergent dispenser drawer.
- Wash under running warm water.
- Replace the conditioner insert and siphon tube and push the detergent dispenser drawer back into position.

Extra cleaning

Carrying out a hot wash (70°C or above) with powder detergent approx. once every six weeks will help to ensure that no deposits build up in the machine. These can occur when washing is mainly done at low temperatures, and also lead to unpleasant smells. If you have no reason to wash laundry occasionally at this high temperature, then carry out a 95°C Cottons programme as a cleaning cycle with a biological powder detergent and no laundry, at regular intervals.

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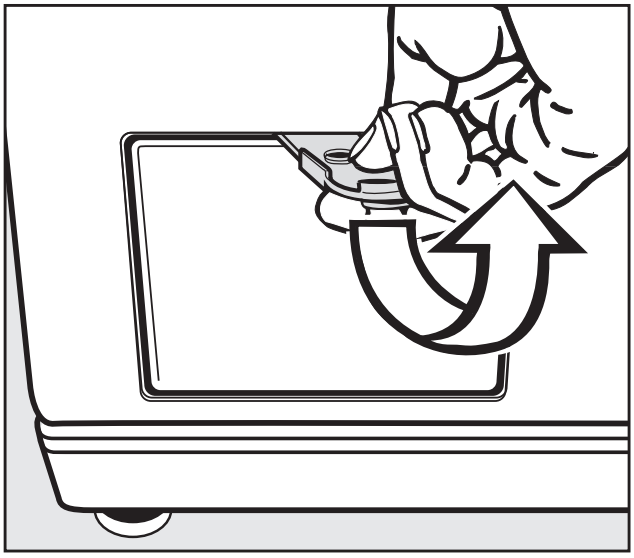
Cleaning the fluff (drain) filter and pump

Check the drain filter initially after 3-4 washes to ascertain how often it is likely to require cleaning.

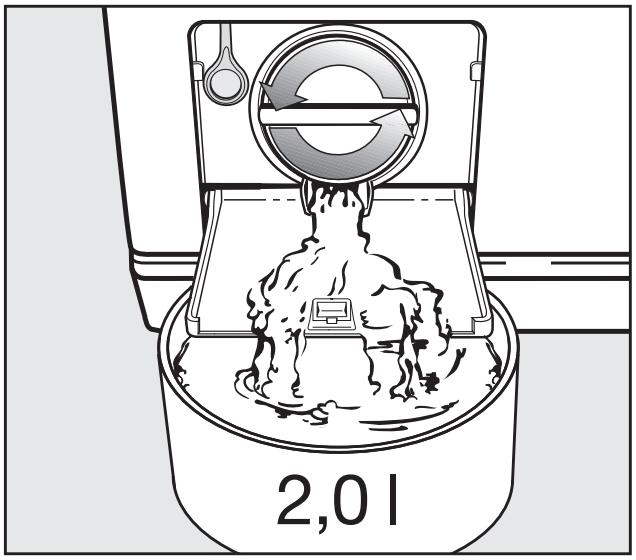
With normal cleaning approx. 2 litres of water run out.

If the drain outlet is clogged, more water will be retained in the machine **(up to 25 litres)**.

Caution: If laundry has been washed at a high temperature, water draining out of the machine will still be hot. Danger of scalding.



- Use the (yellow) filter flap opener supplied with the machine to open the access flap.
- Place a dish under the drain spout.



- Turn the fluff filter lid round 2-3 times. Do not take it right out.

With large volumes of water the dish will need to be emptied several times. Secure the fluff filter back into position and empty the dish before repeating the procedure.

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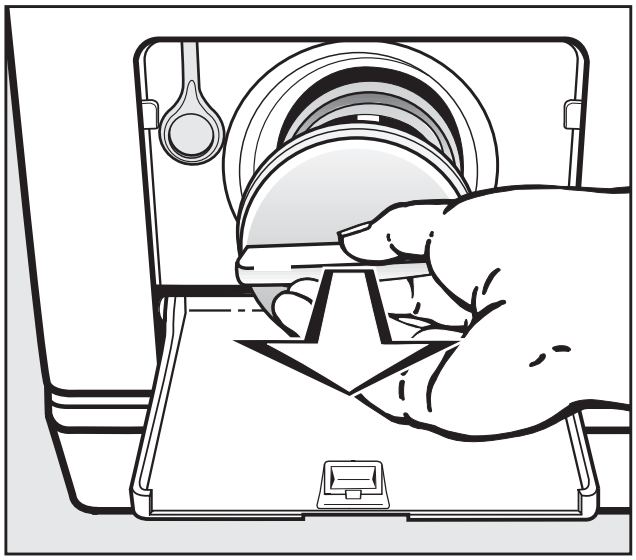

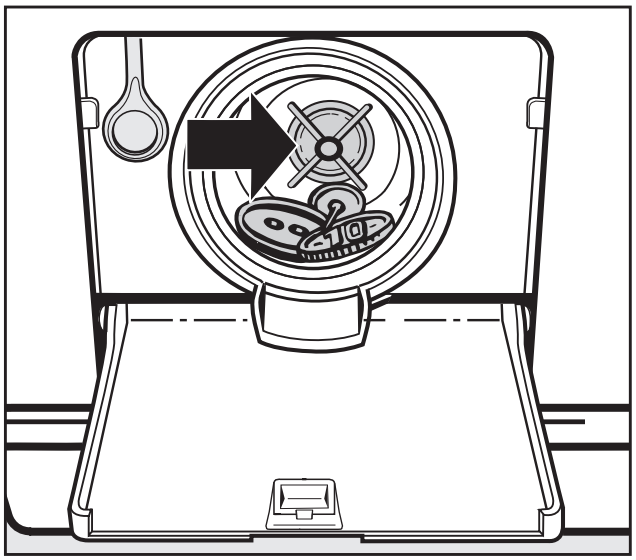

- Once the flow of water ceases, remove the fluff filter completely.
- Clean the fluff filter thoroughly.
- Remove any foreign objects (e.g. buttons, coins, etc.) and fluff.
- Turn the impeller by hand to make sure it rotates freely. Any foreign objects causing an obstruction should be removed.
- Clean the inside of the fluff filter housing.

Remove any deposits of limescale and detergent or foreign objects from the thread of the filter housing and filter unit as they can cause water to leak. Limescale deposits are often a sign of using too little detergent.

- Put the fluff filter back in place and secure it.

Make sure the fluff filter is securely tightened. Otherwise there is a risk of water leakage during use.

After cleaning

- Pour approx. 2 litres of water into the detergent dispenser compartment II to reactivate the ball valve which keeps detergent in circulation in the suds.

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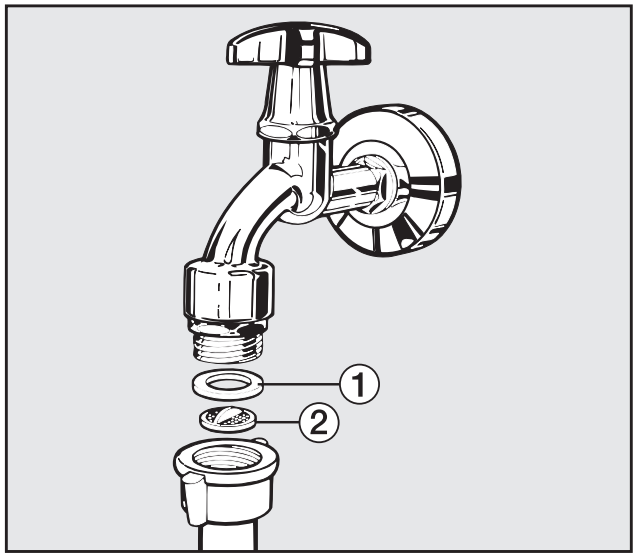
Cleaning the filter in the water inlet

The washing machine has a filter to protect the water inlet valve.

The accessible filter in the union in the open end of the inlet hose should be checked every six months, or more often if there are frequent interruptions to the external water supply.

- First turn off the stopcock.
- Unscrew the threaded union connecting the free end of the inlet hose to the stopcock.



- Remove rubber seal ① from the recess.
- Using pointed pliers, take hold of the plastic filter bar, remove the filter ② and clean.
- Put the filter and seal back in the reverse order and reconnect the hose.

Turn on the stopcock and check the connection is watertight. If water drips out, tighten the connection.

Never forget to put the filter back in place after cleaning it.

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Problem solving guide

Repair work to electrical appliances should only be carried out by a suitably qualified person in accordance with local and national safety regulations. Unauthorised repairs could be dangerous.

What to do, if . . .	Cause . . .	Remedy . . .
. . . the programme does not begin.	There is no power. The "Finish" indicator light is not on or the "Start" indicator light is not flashing.	Check that: – the lids are properly closed. – the mains plug is plugged in. – the fuse or circuit breaker has not tripped.
. . . the "START" indicator is flashing rapidly.	The inner lid is not locked.	Open the machine outer lid and close the inner lid (the lock must engage correctly).
. . . the "Check drain" indicator flashes during the programme, but the wash programme is running normally.	The water outlet is restricted.	– Clean the fluff (drain) filter and drain pump. – Has the drain hose been fixed too high? Max. head height: 1 m.
. . . the "Check drain" indicator flashes during the programme, but the programme is not running normally.	The water outlet is blocked.	
. . . foam is coming out of the front of the appliance.	There has been an excessive build-up of foam which has escaped through an opening in the detergent drawer.	– Use less detergent next time and follow the recommendation on the packet. – Take the water hardness into account. – Use a different low-lather detergent.
. . . the programme does not begin when the drain/final spin programme is selected.	The machine has not been prepared for using for the first time.	– See the section "Before using for the first time" for instructions on how to prepare the machine.

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What to do, if . . .	Cause . . .	Remedy . . .
. . . the "Check inlet" indicator flashes during the programme but the programme is running normally.	The water inlet is restricted.	– The stopcock is not opened far enough. – The inlet hose is kinked. – The water pressure is too low – The filter in the inlet hose is dirty. Clean it.
. . . the "Check inlet" indicator flashes and the laundry was not washed.	The water inlet is closed.	– Open the stopcock. – Start the programme again.
. . . one of the following indicator lights is flashing **- "Soak/Pre-wash"** **- "Main Wash"** **- "Rinses"** **- "Rinse hold"**	There is a fault.	– Press "I-ON/0-OFF" button to release it. – Turn the programme selector to "Finish". – Press "I-ON/0-OFF" button in. – Re-start the programme. – If the indicator light starts flashing again, call the Service Dept.

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Problem solving guide

What to do, if . . .	Cause . . .	Remedy . . .
. . . the indicator light "Drain/Final spin" flashes	The final spin has not taken place. The machine detected an imbalance.	– Loosen and re-distribute the laundry. – Select the programme "Spin". – Take into account the spin speed of the relevant programme.
. . . the indicator light "Finish" flashes	The position of the programme selector was altered after the start of the programme.	Programme sequence is not affected. The indicator light goes out when the programme selector is turned back to the programme previously chosen.
. . . noises are heard at the start of a programme or when laundry is added after programme start	The drum locking mechanism is being automatically activated.	This noise is a normal part of machine operation. (Not a fault).
. . . the lid cannot be opened, a noise can be heard and the indicator lights "Rinse hold" and "Without final spin" flash alternately	Press the "lid " button once. The drum will now rotate until it is in the correct postion for opening.	When the indicator lights "Rinse hold"/"Without final spin" stop flashing, press "Lid" again and open the lid.
. . . the lid cannot be opened	The appliance is not plugged in to the electricity supply.	Insert the plug into the socket.
	Power cut.	Open the lid, as described at the end of this chapter.
	The lids are not properly engaged.	Close the lids properly.
	Suds temperature is higher than 55°C.	

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What to do, if . . .	Cause . . .	Remedy . . .
. . . the machine shakes during the spin cycle.		Level the machine. See installation.
. . . the laundry has not been spun satisfactorily	The spin speed selected was too low.	Select a higher spin speed next time.
	The load was not distributed evenly enough in the drum. To protect the machine laundry was only spun at a reduced speed.	Always mix large and small items in the load.
. . . the pump makes strange noises.	These noises occur at the beginning or end of a pump sequence as a normal part of operation. They are not a fault.	
. . . the drum opening is not in the correct loading and unloading position.	Imbalance has prevented automatic drum positioning.	– Turn the drum manually to the correct position (until the autopositioning mechanism engages). – Always mix large and small items in the load. This improves cleaning efficiency and ensures better distribution of laundry in the spin cycle.

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Problem solving guide

What to do, if . . .	Cause	Remedy
. . . large residues of detergent remain in the dispenser drawer.	The water supply pressure is too low.	– Clean the filter in the water inlet system. – It may be useful to select "Water plus".
	Washing powder used with water softener tends to become sticky.	Pour washing powder into the dispenser before adding any water softener.
. . . fabric conditioner is not completely dispensed or too much water remains in the ❀ compartment.	The siphon tube is either incorrectly positioned or clogged.	Clean the siphon tube.
	The fabric conditioner channel is clogged.	Clean the fabric conditioner channel.
. . . grey, greasy particles cling to washed laundry.	Insufficient amounts of detergent were used to break down the particles of grease in heavily soiled laundry.	– Add more detergent. – Before washing the next load run a "COTTONS 95°C" programme without a load. (See "Extra cleaning" in Cleaning and Care).
. . . there are white residues which look like powder detergent on the washing.	The detergent contained compounds (zeolites) to aid water softening which are not soluble in water. These have ended up on the washing.	– Use detergents containing no zeolites to re-wash the load. – Liquid detergents usually contain no zeolites. – Try and brush off the residues with a soft brush.
. . . liquid detergent does not give the required result.	Liquid detergents do not contain bleaching agents. They do not remove fruit, coffee and tea stains.	– Use a general purpose washing machine powder containing a bleaching agent. – Pour stain remover (salts) into the dispenser drawer compartment II, and liquid detergent into a dispenser ball. – Never put stain salts and liquid detergent together in the dispenser drawer.

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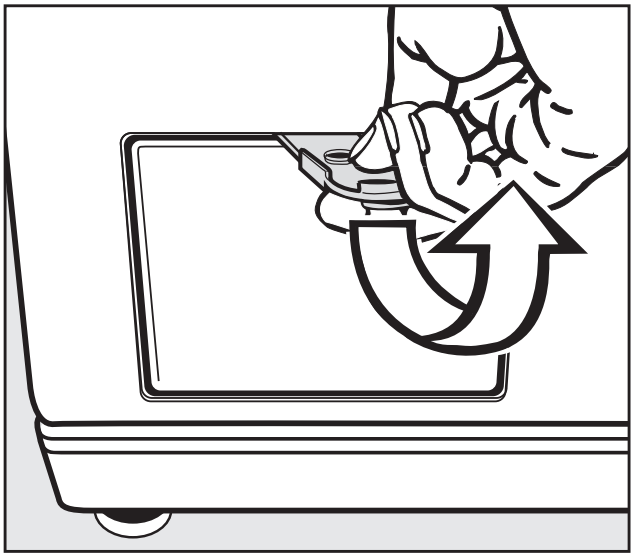
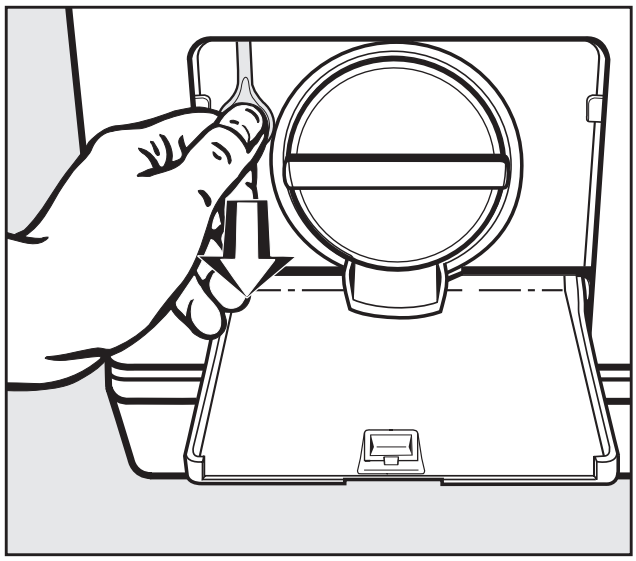
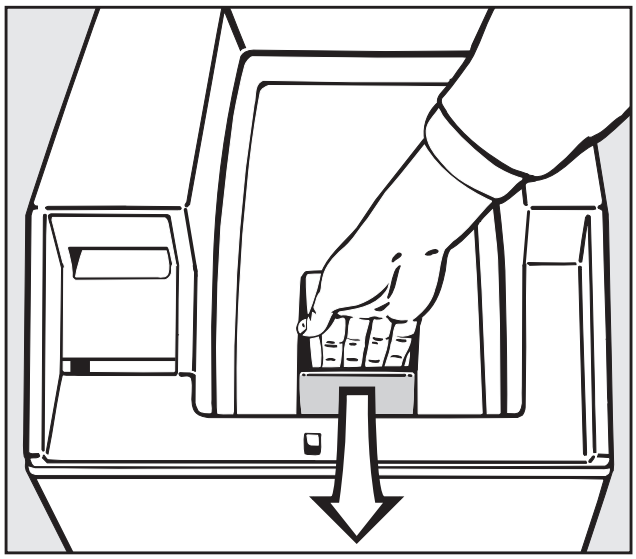
Opening the lid in the event of a power failure



- Switch off the washing machine.
- Open the fluff (drain) filter and drain the water as described in "Cleaning and care" - section "Cleaning fluff filter and pump".



- Pull the emergency release cord downwards until the machine outer lid opens.



- Open the inner lid.

Always make sure that the drum is stationary before reaching into the machine to remove washing. Reaching into a moving drum is extremely dangerous.

To check water pressure

- Place a bucket under the stopcock.
- Open the stopcock fully.

If 5 litres of water flow into the bucket within 15 seconds the water pressure is correct.

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After sales service

Customer contact

In the event of any faults which you cannot remedy yourself please contact

– Your Miele dealer or

– Your nearest Miele Service Department (see back cover for the address).

When contacting the Service Department, please quote the model and serial number of your appliance, both of which are shown on the data plate visible on the rear panel of the machine.

Please note that telephone calls may be monitored and recorded to improve our service.

Programme update function - PC

The programme update function is designed to enable a service technician to update your machine's electronics in keeping with advances in technology.

The indicator light marked PC is used as the interface for this programming. Miele will provide information on programme updates as and when such developments become available.

Appliance guarantee

The appliance is guaranteed for a period of 1 year. See the guarantee booklet supplied with the machine for further details and complete and return the registration card.

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Installation surface

A concrete floor is the most suitable installation surface for a washing machine, being far less prone to vibration during the spin cycle than wooden floorboards or a carpeted surface.

Please note the following points:

- The machine must be level and securely positioned.
- To avoid vibrations during spinning, the machine should not be installed on soft floor coverings.
- If installing on a wooden joist floor, we recommend a plywood base (at least 60x45x3 cm). The base should span several joists and be bolted to the joists and not only to the floorboards. Check for the presence of pipes and cables first.
- If possible, install the machine in a corner, as this is usually the most stable part of the floor.

Levelling and adjusting

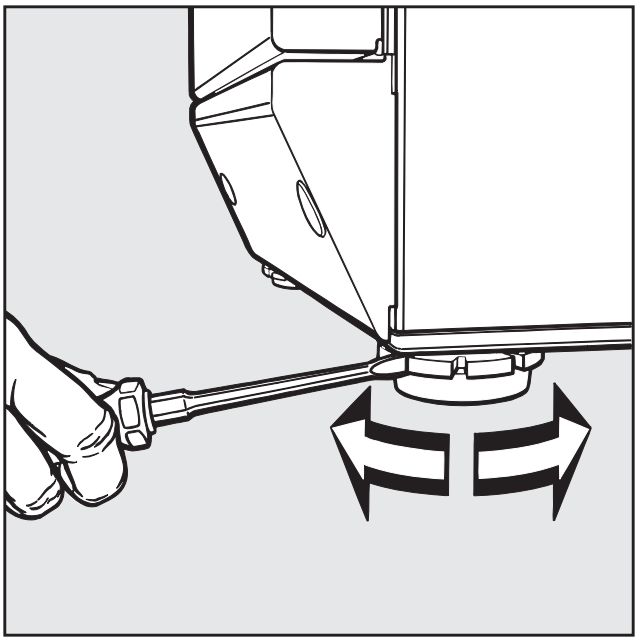
Lift the appliance from its packaging base and move it to its installation site.

Please note:

- Ensure that the machine feet and the floor are dry to prevent the machine from slipping during the spin cycle.
- Remove the transit fitting (next page).

The appliance must be level to ensure safe and proper operation.

- Unscrew the feet until the machine stands level.
- Hold the foot tight using a pipe wrench.



- Tighten the counternut using a screwdriver as indicated.

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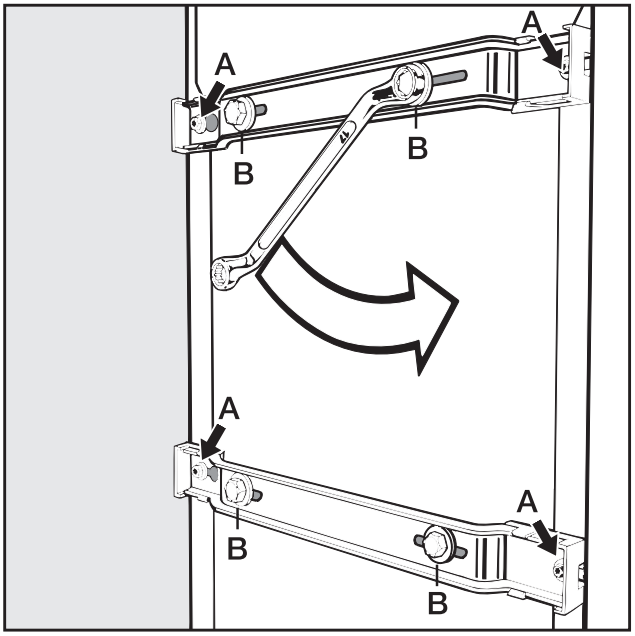
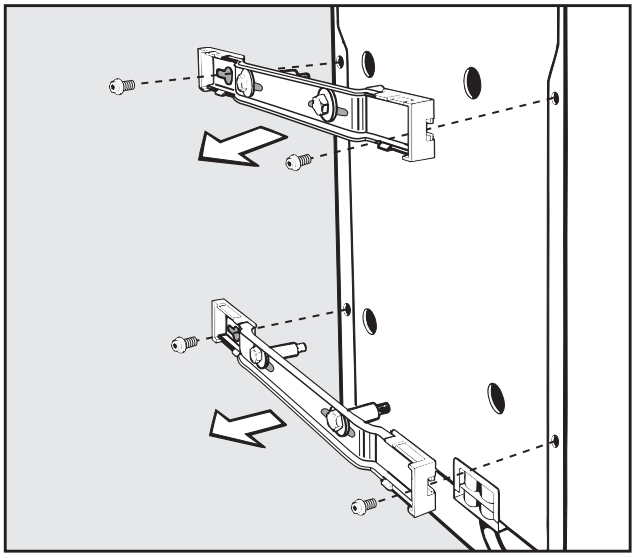
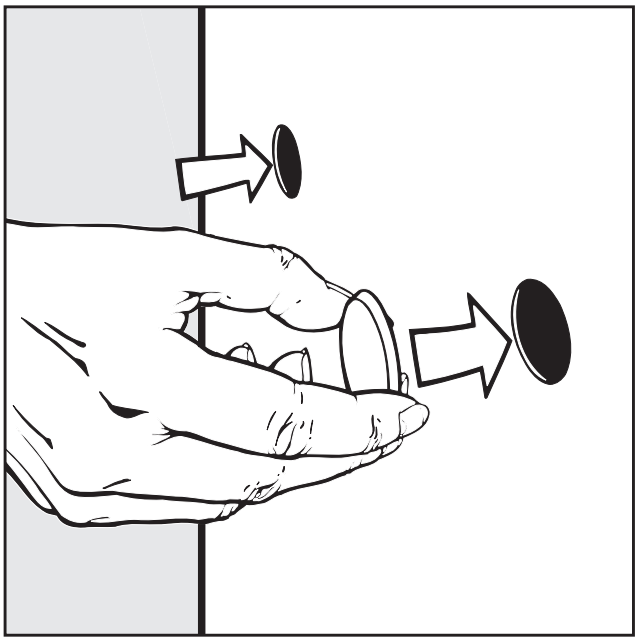
Removing the transit fitting



- Unscrew the 4 outer screws marked **A** completely.
- Unscrew the 4 screws marked **B**. These screws must then be left on the transit bars.



- Remove the transit bars.



- Plug the 4 large holes with the caps supplied.

The transit fitting together with screws should be stored in a safe place for future use. It must be re-fitted if the machine is to be moved again.

Re-fitting the transit fitting

To refit the transit fitting reverse the procedure described above.

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Connection to water supply

The machine should be connected to a mains water supply in accordance with standard regulations. In Germany the washing machine is not required to have a non-return valve as it has been designed to comply with the relevant German DIN standard.

Connection to a household water softener is not recommended.

Connection to the mains water supply should incorporate a mains stopcock with 3/4'' thread. The stopcock should be fitted by a qualified plumber.

The approx. 2.5 m long 3/8" pressure hose should be connected to the stopcock via the 3/4" threaded union. Please make sure the washer sits correctly in the union.

A longer hose of 4 metres in length is available as an optional extra.

This pressure hose is **not** suitable for connection to a hot water supply. The connection point is subject to mains water pressure. Turn on the stopcock slowly and check for leaks.

If replacing the inlet hose only use a hose able to withstand pressure of at least 70 bar. This also applies to all fixtures and fittings used. Miele original parts are tested to this standard.

The machine is designed to operate with a water flow pressure of 1 bar minimum up to 10 bar maximum. The static water pressure must not exceed 10 bar. If it is higher than 10 bar it is essential to fit a reducer valve.

There is a minimum flow pressure of 1 bar pressure if, with the stopcock opened fully, 5 litres of water flow into a suitable container in 15 seconds.

The dirt filter in the open end of the inlet hose must not be removed as it protects the water inlet valve.

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Connection to the drainage system

The machine drains via a drain pump with a delivery head of 1 metre.

The drain hose is 1.5 m long. It must not be kinked as this restricts drainage. The swivel elbow at the end of the hose can be turned in either direction, or can be detached if required, with a sharp twist and pull.

Drain hose connection:

- Direct into a sink: Hook the hose over the edge and secure. Make sure that the water can flow freely to avoid flooding and to prevent water from being sucked back into the machine.
- Connected securely to a floor gully.
- Connected securely to a standpipe.
- Connected securely to a plastic drain pipe with a rubber nipple. There is no need to use a non-return valve.

If required, the drain hose can be extended to a length of 5 m. The necessary parts can be purchased from the Miele Spare Parts Department or your Miele dealer.

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Electrical connection U.K.

All electrical work should be carried out only by a suitably qualified and competent person, in strict accordance with national and local safety regulations.

The appliance is supplied with a mains cable with moulded plug for connection to a 230-240V mains supply. **The voltage, rated load and fuse rating are given on the data plate**. Please ensure these match the household mains supply.

Connection should be made via a fused plug and suitable switched socket which is easily accessible after installation. For extra safety it is advisable to install a residual current device (RCD), with a trip current of 30 mA (in accordance with DIN VDE 0664, VDE 0100, Section 739). Do not connect via an extension lead.

Important

The wires in the mains lead are coloured in accordance with the following code:

Green/yellow	=	earth
Blue	=	neutral
Brown	=	live

Where it is necessary to change plugs, if the colours of the wires in the mains lead of this appliance do not correspond with the coloured markings identifying the terminals of your plug, proceed as follows:

The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol ⏚ or coloured green, or green and yellow.

The wire which is coloured blue must be connected to the terminal in the plug which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal in the plug which is marked with the letter L or coloured red.

WARNING: THIS APPLIANCE MUST BE EARTHED

Ensure power is not supplied to the appliance while installation work is being carried out.

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Non-rewireable plugs BS 1363

If this machine is fitted with a non-rewireable plug, the following information applies:

If the socket outlets are not suitable for the plug supplied with the product, it must be cut off and an appropriate plug fitted. The fuse carrier and fuse should be removed from the old plug and disposed of.
The plug cut from the flexible cord should then be disposed of and on no account be inserted into any socket elsewhere in the house (electric shock hazard).
The fuse cover must be refitted when changing the fuse, and if the fuse cover is lost, the plug must not be used until a suitable replacement is obtained. The colour of the correct replacement cover is that of the coloured insert in the base of the plug, or the colour that is embossed in words on the base of the plug (as applicable to the design of plug fitted).
Replacement fuses should be ASTA approved to BS 1362 and have the correct rating. Replacement fuse covers may be purchased from your local electrical supplier or Service agent.

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Consumption data

Programme (without any additional options or programmable functions)	Load	Consumption data		
		Energy	Water	Programme time
COTTONS				
95°C	5.0 kg	1.70 kWh	52 litres	1 h 54 mins
60°C*	5.0 kg	0.95 kWh	52 litres	1 h 58 mins
40°C	5.0 kg	0.55 kWh	52 litres	1 h 58 mins
MINIMUM IRON				
40°C	2.5 kg	0.45 kWh	58 litres	1 h 20 mins
DELICATES				
30°C	1.0 kg	0.40 kWh	75 litres	58 mins
WOOLLENS				
30°C	2.0 kg	0.23 kWh	35 litres	39 mins
Silk				
30°C	1.0 kg	0.25 kWh	39 litres	36 mins

* EN 60456 test programme

Consumption data can vary from the nominal values given depending on water pressure, water hardness, water inlet temperature, room temperature, type and volume of load, fluctuations in the electricity supply and any additional functions selected.

N.B. Consumption data obtained from a machine tested in Germany.

(Times would be reduced if the "Short" option was selected).

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Technical data

Height	90 cm
Height with lid open	139 cm
Width	45 cm
Depth	60 cm
Weight	93 kg
Capacity	5 kg Dry laundry
Voltage	See data plate
Rated load	See data plate
Fuse rating	See data plate
Water flow pressure min.	1 bar
Static water pressure max.	10 bar
Drain pump head height max.	1 m
Drain pump length max.	5 m
Test certificates awarded	Radio/TV suppression, VDE

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